PHARMACY TEAM

DESCRIPTION	The Pharmacy Team provides services, including drug and disease information, drug preparation and distribution, vaccinations, and dosage monitoring services, for all patients in an existing hospital (inpatient), outpatient facility, or alternate medical care facility, or via mobile access
RESOURCE CATEGORY	Medical and Public Health
RESOURCE KIND	Team
OVERALL FUNCTION	The Pharmacy Team: 1. Distributes and dispenses pharmaceuticals prescribed to individuals, including refilling prescriptions for maintenance medications 2. Advises patients, physicians, and other health practitioners on the selection, dosages, interactions, and side effects of medications 3. Counsels patients on the use of prescription and over-the-counter medications 4. Consults with and advises clinical providers about medication therapy 5. Assures the accuracy of every prescription filled and accommodates access and functional needs (AFN) or language needs, as appropriate 6. Maintains dispensing records and insures accuracy of all inventories before, during, and after each shift, as appropriate
COMPOSITION AND ORDERING SPECIFICATIONS	1. Discuss logistics for deploying this team, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment 2. Discuss environment and personal protective measures that may be necessary to protect the staff and patients 3. Discuss security arrangements to protect personnel and pharmaceuticals prior to deployment, such as via law enforcement, military support personnel, or other appropriate personnel 4. Discuss secure facility logistics prior to deployment 5. Specify the need to order an inpatient or outpatient Pharmacy Team and what type of mobile or portable vehicle or equipment might be necessary a. Outpatient pharmacies are usually mobile units but can be portable; portable (fixed) units can take several hours to set up b. Inpatient pharmacies, if not in an existing facility, can be portable temporary hospital settings and are rarely mobile 6. Specify the need to order additional staff to ensure the availability of resources required to safely and effectively support the mission assignment, including administrative, logistics, communications, supply, and clerical personnel 7. Requestor supplements clinical staff with Healthcare Resource Coordination Team if equipment, supplies, information technology, and communications support are necessary 8. Requestor identifies, verifies, and mitigates potentially hazardous conditions 9. To ensure staff is qualified to care for the patient mix, requests for assistance specify the clinical area, specialty services (if necessary), mission assignment, and anticipated length of deployment 10. Temperature control support may be necessary for medical supplies in some environments 11. Address potential biohazard issues 12. Address vehicle maintenance support needs, if necessary

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
MINIMUM PERSONNEL PER TEAM	5	Same as Type 3	3	Not Specified
MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM	Same as Type 2	Same as Type 3	1 - National Incident Management System (NIMS) Type 1 Medical Team Leader	Not Specified

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
SUPPORT PERSONNEL PER TEAM	Same as Type 2, PLUS: 1 - NIMS Type 1 Pharmacist 1 - NIMS Type 1 Pharmacy Technician	Same as Type 3	1 - NIMS Type 1 Pharmacist 1 - NIMS Type 1 Pharmacy Technician	Not Specified
INPATIENT AND OUTPATIENT CAPABILITIES PER TEAM	Same as Type 2, PLUS: Outpatient/mobile care for ambulatory patients	Inpatient care for acute patients in a hospital setting or in portable units augmenting a hospital setting	Outpatient/mobile care for ambulatory patients	Typically, an inpatient team can support an outpatient unit; however, an outpatient/mobile team may not have the capability to support an inpatient environment.
VOLUME CAPABILITIES PER TEAM	Same as Type 2, PLUS: 400 ambulatory patient prescriptions per 12-hour shift	50 inpatient prescriptions per 12-hour shift	400 ambulatory patient prescriptions per 12-hour shift	Not Specified
FACILITY EQUIPMENT PER TEAM	Same as Type 2	Same as Type 3	Mobile unit or a portable unit and adjunct equipment provided	1. A mobile unit is housed in a self-contained wheeled vehicle or a trailered vehicle. Mobile units vary in size, are able to withstand winds, and include a satellite connection. 2. Portable units are fixed, non-wheeled structures erected in one location to augment a hospital or other fixed clinical care setting. 3. Outpatient teams receive mobile units and adjunct equipment unless otherwise specified. Outpatient teams can use an existing facility in lieu of a mobile unit, if available.
PHARMACY OPERATIONS EQUIPMENT PER TEAM	Same as Type 2	Same as Type 3, PLUS: 1. Intravenous (IV) therapy equipment 2. Sterile environment (hood)	1. Range of prescription and over-the-counter pharmaceuticals 2. Pill counter 3. Pharmacy scale 4. Label printer 5. Metric and apothecary weight set 6. Temperature control equipment 7. Hazardous pharmaceutical waste containers	Inpatient settings may require sterile preparation standards (cleanroom and hood) for dispensing medications.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
PERSONAL PROTECTIVE EQUIPMENT (PPE) EQUIPMENT PER TEAM MEMBER	Same as Type 2	Same as Type 3	PPE is mission specific and may include: 1. Eye protection 2. Masks, such as N95 masks or powered air purifying respirators (PAPR) 3. Protective footwear 4. Protective gloves	The following regulations address PPE: Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.1030: Bloodborne Pathogens, OSHA 29 CFR Part 1910.120: Hazardous Waste Operations and Emergency Response, and OSHA 29 CFR Part 1910.134: Respiratory Protection.
COMMUNICATIONS EQUIPMENT PER TEAM	Same as Type 2	Same as Type 3	Appropriate team communications, such as two-way radios, cell phones, or a satellite phone	Not Specified
INFORMATION TECHNOLOGY EQUIPMENT PER TEAM	Same as Type 2	Same as Type 3	Laptop computers and software	Software is specific to pharmacy-related needs.

NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

REFERENCES

1. FEMA, NIMS 508: Healthcare Resource Coordination Team
2. FEMA, NIMS 509: Medical Team Leader
3. FEMA, NIMS 509: Pharmacist
4. FEMA, NIMS 509: Pharmacy Technician
5. FEMA, National Incident Management System (NIMS), October 2017
6. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Waste Operations and Emergency Response, latest edition adopted
7. OSHA 29 CFR Part 1910.134: Respiratory Protection, latest edition adopted
8. OSHA 29 CFR Part 1910.1030: Bloodborne Pathogens, latest edition adopted